

Applicant : Vladimir Andreevich Bushuev
Serial No. : 09/649,431
Filed : August 25, 2000

c) Amendments to the Claims:

1. (Cancelled)
 2. (Cancelled)
 3. (Cancelled)
 4. (Cancelled)
 5. (Cancelled)
 6. (Cancelled)
 7. (Cancelled)
 8. (New) A blading rotary reactor for pyrolysis of hydrocarbons in process for producing low-molecular olefins, comprising a housing, directing stationary blades, a working wheel with blades, an inlet nipple for supplying feedstock, an outlet nipple for carrying off cracked gas, wherein said housing and said working wheel form an annular cavity containing said directing stationary blades and said blades of working wheel, so that hot pyrolyzed gas is circulated in this cavity forming a vortex ring when the working wheel is rotated, and said inlet nipple and outlet nipple are communicated with said cavity.
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